

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
10 February 2005 (10.02.2005)

PCT

(10) International Publication Number  
WO 2005/012150 A1

(51) International Patent Classification<sup>7</sup>: B65H 19/18

(21) International Application Number:

PCT/US2004/023812

(22) International Filing Date: 23 July 2004 (23.07.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
60/490,182 25 July 2003 (25.07.2003) US

(71) Applicant (for all designated States except US): BLACK  
CLAWSON CONVERTING MACHINERY INC.  
[US/US]; 46 North First Street, Fulton, NY 13069 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): HOULD, Daniel,  
Frederick [US/US]; 82 Kingdom Road, Oswego, NY  
13126 (US). TETRO, Richard, Stephen [US/US]; 172  
Riverside Ave., Fulton, NY 13069 (US).

(74) Agents: BROWN, Kevin, C. et al.; Burr and Brown, P.O.  
Box 7068, Syracuse, NY 13261 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

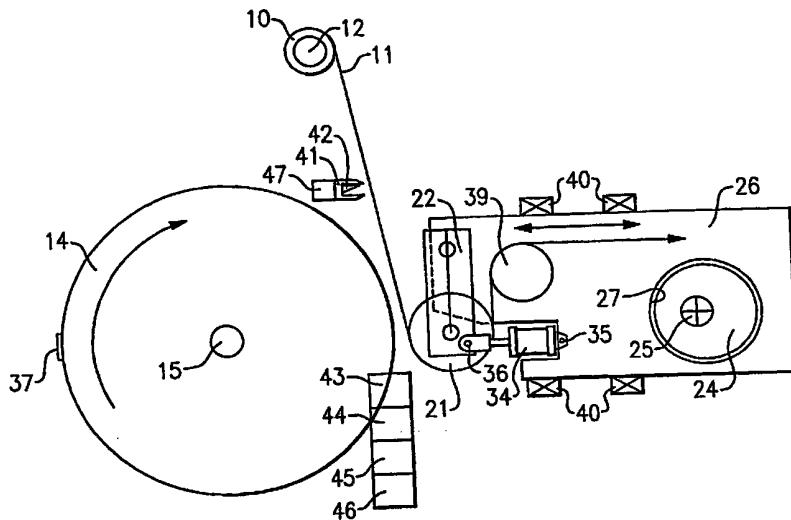
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

[Continued on next page]

(54) Title: METHOD AND APPARATUS FOR SPLICING WEBS



WO 2005/012150 A1

(57) Abstract: A web splicer comprises a running roll supporter (13), a ready roll supporter (16), a paster roll (21) movably mounted on a carriage (26), a driving device (23) for moving the carriage, and a pressing device (34) for selectively applying force to the paster roll. In representative embodiments, the paster roll is rotatably mounted on a bracket (22) pivotally mounted on the carriage. To splice the new web of the ready roll (14) to the moving web (11) of the running roll (10), the ready roll is rotated, the carriage is moved so that the paster roll abuts the ready roll, whereby the running web is sandwiched between the ready roll and the paster roll, the pressing device presses the paster roll and thus also the running web against the ready roll, and then a prepared splice on the ready roll rotates into pressured contact with the running web in the nip between the ready roll and the paster roll.

WO 2005/012150 A1



*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*